

09/719272

- 1 -

SEQUENCE LISTING

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<110> YAMAMOTO, Hiroshi
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UCHINO, Yukiko
KONISHI, Noboru

<120> ANTIBODIES SPECIFIC FOR PHOSPHATASE SUBUNIT FOR LAR

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<151> 1998-06-08

<150> PCT/JP99/03054
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 Ser Ile Asp Met Gly Pro Gln Leu Lys Val Val Glu Lys Ala Arg Thr
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Tyr Asp Ile Lys Val Arg Ala Trp Thr Ser Lys Gly Ser Gly Pro Leu	
960 965 970	
agc ccc agc atc cag tcc cgg acc atg ccg gtg gag caa gtg ttt gcc	3385
Ser Pro Ser Ile Gln Ser Arg Thr Met Pro Val Glu Gln Val Phe Ala	
975 980 985	
aag aac ttc cgg gtg gcg gct gca atg aag acg tct gtg ctg ctc agc	3433
Lys Asn Phe Arg Val Ala Ala Ala Met Lys Thr Ser Val Leu Leu Ser	
990 995 1000 1005	
tgg gag gtt ccc gac tcc tat aag tca gct gtg ccc ttt aag att ctg	3481
Trp Glu Val Pro Asp Ser Tyr Lys Ser Ala Val Pro Phe Lys Ile Leu	
1010 1015 1020	
tac aat ggg cag agt gtg gag gtg gac ggg cac tcg atg cgg aag ctg	3529
Tyr Asn Gly Gln Ser Val Glu Val Asp Gly His Ser Met Arg Lys Leu	
1025 1030 1035	
atc gca gac ctg cag ccc aac aca gag tac tcg ttt gtg ctg atg aac	3577
Ile Ala Asp Leu Gln Pro Asn Thr Glu Tyr Ser Phe Val Leu Met Asn	
1040 1045 1050	
cgt ggc agc agc gca ggg ggc ctg cag cac ctg gtg tcc atc cgc aca	3625
Arg Gly Ser Ser Ala Gly Gly Leu Gln His Leu Val Ser Ile Arg Thr	
1055 1060 1065	

gcc ccc gac ctc ctg cct cac aag ccg ctg cct gcc tct gcc tac ata Ala Pro Asp Leu Leu Pro His Lys Pro Leu Pro Ala Ser Ala Tyr Ile 1070 1075 1080 1085	3673
gag gac ggc cgc ttc gat ctc tcc atg ccc cat gtg caa gac ccc tcg Glu Asp Gly Arg Phe Asp Leu Ser Met Pro His Val Gln Asp Pro Ser 1090 1095 1100	3721
ctt gtc agg tgg ttc tac att gtt gtg gta ccc att gac cgt gtg ggc Leu Val Arg Trp Phe Tyr Ile Val Val Val Pro Ile Asp Arg Val Gly 1105 1110 1115	3769
ggg agc atg ctg acg cca agg tgg agc aca ccc gag gaa ctg gag ctg Gly Ser Met Leu Thr Pro Arg Trp Ser Thr Pro Glu Glu Leu Glu Leu 1120 1125 1130	3817
gac gag ctt cta gaa gcc atc gag caa ggc gga gag gag cag cgg cgg Asp Glu Leu Leu Glu Ala Ile Glu Gln Gly Gly Glu Glu Gln Arg Arg 1135 1140 1145	3865
cgg cgg cgg cag gca gaa cgt ctg aag cca tat gtg gct gct caa ctg Arg Arg Arg Gln Ala Glu Arg Leu Lys Pro Tyr Val Ala Ala Gln Leu 1150 1155 1160 1165	3913
gat gtg ctc ccg gag acc ttt acc ttg ggg gac aag aag aac tac cgg Asp Val Leu Pro Glu Thr Phe Thr Leu Gly Asp Lys Lys Asn Tyr Arg 1170 1175 1180	3961
ggc ttc tac aac cgg ccc ctg tct ccg gac ttg agc tac cag tgc ttt Gly Phe Tyr Asn Arg Pro Leu Ser Pro Asp Leu Ser Tyr Gln Cys Phe 1185 1190 1195	4009
gtg ctt gcc tcc ttg aag gaa ccc atg gac cag aag cgc tat gcc tcc Val Leu Ala Ser Leu Lys Glu Pro Met Asp Gln Lys Arg Tyr Ala Ser 1200 1205 1210	4057
agc ccc tac tcg gat gag atc gtg gtc cag gtg aca cca gcc cag cag Ser Pro Tyr Ser Asp Glu Ile Val Val Gln Val Thr Pro Ala Gln Gln 1215 1220 1225	4105
cag gag gag ccg gag atg ctg tgg gtg acg ggt ccc gtg ctg gca gtc Gln Glu Glu Pro Glu Met Leu Trp Val Thr Gly Pro Val Leu Ala Val 1230 1235 1240 1245	4153
atc ctc atc atc ctc att gtc atc gcc atc ctc ttg ttc aaa agg aaa Ile Leu Ile Ile Leu Ile Val Ile Ala Ile Leu Leu Phe Lys Arg Lys 1250 1255 1260	4201
agg acc cac tct ccg tcc tct aag gat gag cag tcg atc gga ctg aag Arg Thr His Ser Pro Ser Ser Lys Asp Glu Gln Ser Ile Gly Leu Lys 1265 1270 1275	4249
gac tcc ttg ctg gcc cac tcc tct gac cct gtg gag atg cgg agg ctc Asp Ser Leu Ala His Ser Ser Asp Pro Val Glu Met Arg Arg Leu 1280 1285 1290	4297

aac tac cag acc cca ggt atg cga gac cac cca ccc atc ccc atc acc Asn Tyr Gln Thr Pro Gly Met Arg Asp His Pro Pro Ile Pro Ile Thr 1295 1300 1305	4345
gac ctg gcg gac aac atc gag cgc ctc aaa gcc aac gat ggc ctc aag Asp Leu Ala Asp Asn Ile Glu Arg Leu Lys Ala Asn Asp Gly Leu Lys 1310 1315 1320 1325	4393
ttc tcc cag gag tat gag tcc atc gac cct gga cag cag ttc acg tgg Phe Ser Gln Glu Tyr Glu Ser Ile Asp Pro Gly Gln Gln Phe Thr Trp 1330 1335 1340	4441
gag aat tca aac ctg gag gtg aac aag ccc aag aac cgc tat gcg aat Glu Asn Ser Asn Leu Glu Val Asn Lys Pro Lys Asn Arg Tyr Ala Asn 1345 1350 1355	4489
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aag cag aat gcc tac atc gcc acg cag ggc ccc ctg ccc gag acc atg Lys Gln Asn Ala Tyr Ile Ala Thr Gln Gly Pro Leu Pro Glu Thr Met 1390 1395 1400 1405	4633
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atg atg aca cgg ctg gag gag aag tcc cgg gta aaa tgt gat cag tac Met Met Thr Arg Leu Glu Glu Lys Ser Arg Val Lys Cys Asp Gln Tyr 1425 1430 1435	4729
tgg cca gcc cgt ggc acc gag acc tgt ggc ctt att cag gtg acc ctg Trp Pro Ala Arg Gly Thr Glu Thr Cys Gly Leu Ile Gln Val Thr Leu 1440 1445 1450	4777
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cac aag agt ggc tcc agt gag aag cgt gag ctg cgt cag ttt cag ttc His Lys Ser Gly Ser Ser Glu Lys Arg Glu Leu Arg Gln Phe Gln Phe 1470 1475 1480 1485	4873
atg gcc tgg cca gac cat gga gtt cct gag tac cca act ccc atc ctg Met Ala Trp Pro Asp His Gly Val Pro Glu Tyr Pro Thr Pro Ile Leu 1490 1495 1500	4921
gcc ttc cta cga cgg gtc aag gcc tgc aac ccc cta gac gca ggg ccc Ala Phe Leu Arg Arg Val Lys Ala Cys Asn Pro Leu Asp Ala Gly Pro 1505 1510 1515	4969

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gtg att gat gcc atg ttg gag cgg atg aag cac gag aag acg gtg gac Val Ile Asp Ala Met Leu Glu Arg Met Lys His Glu Lys Thr Val Asp 1535 1540 1545	5065
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cag acg gag gac cag tac gtg ttc atc cat gag gcg ctg ctg gag gct Gln Thr Glu Asp Gln Tyr Val Phe Ile His Glu Ala Leu Leu Glu Ala 1570 1575 1580	5161
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Pro Met Ala Glu Tyr Asn Met Pro Gln Tyr Ile Leu Arg Glu Phe Lys
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Phe Thr Asp Trp Pro Glu Gln Gly Val Pro Lys Thr Gly Glu Gly Phe
1775 1780 1785

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Ile Asp Phe Ile Gly Gln Val His Lys Thr Lys Glu Gln Phe Gly Gln
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1825 1830 1835

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Val Val Asp Met Phe Gln Thr Val Lys Thr Leu Arg Thr Gln Arg Pro
1840 1845 1850

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Ala Met Val Gln Thr Glu Asp Gln Tyr Gln Leu Cys Tyr Arg Ala Ala
1855 1860 1865

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Leu Glu Tyr Leu Gly Ser Phe Asp His Tyr Ala Thr
1870 1875 1880

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